

**Notice of Allowability**

Application No.

10/668,992

Applicant(s)

GRAHAM ET AL.

Examiner

Kuo-Liang Peng

Art Unit

1796

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/30/07 Amendment.
2. ☒ The allowed claim(s) is/are 9 and 11.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

Kuo-Liang Peng  
Primary Examiner  
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### **DETAILED ACTION**

1. Applicants' amendment filed July 30, 2007 is acknowledged. Claim 10 is deleted. Claims 9 and 11 are amended. Claims 1-8 and 12 are withdrawn. Now, Claims 9 and 11 are pending for consideration.

2. Claim rejection(s) under 35 USC 103 in the previous Office Action (Paper No. 030307) is/are removed.

3. This application is in condition for allowance except for the presence of Claims 1-8 and 12 to inventions non-elected without traverse. Accordingly, Claims 1-8 and 12 have been cancelled.

### ***Allowable Subject Matter***

4. Claims 9 and 11 are allowed.

5. The following is an examiner's statement of reasons for allowance:

The present claims are allowable for at least the following reason(s) over the closest references: Hirano (JP 2003-129003) in view of Brown (US 6 447 919).

Hirano discloses a composition for coating metal, which comprises a polymer derived from a fluorinated monomer, an alkoxysilyl containing monomer, a non-fluorinated/non-silanized monomers, and a crosslinker. ([0005]-[0006]) The crosslinker can be a melamine or a blocked polyisocyanate. ([0017]-[0019]) Hirano is silent on the use of a fluorinated urethane compound set forth in the claimed invention. Furthermore, Brown teaches the use of a fluorinated urethane in a composition for coating metal, etc. where the composition comprises a polymer derived from a fluorinated monomer, an alkoxysilyl containing monomer and a non-fluorinated/non-silanized monomer. The motivation of using the fluorinated urethane is to enhance the chemical and mechanical properties of the coating. (col. 7, lines 47-63, col. 14, line 65 to col. 15; line 12, col. 16, lines 16-55, col. 17, lines 23-38, col. 18, lines 48-65, col. 19, lines 34-65 and col. 21, lines 3-9)

However, none of Hirano and Brown, taken alone or in combination, teaches or fairly suggests the claimed coating composition comprising, as component D), a) a fluorinated urethane compound consist essentially of an adduct of an organic polyisocyanate, a polyoxyethylene/polypropylene glycol, and a fluorinated monofunctional alcohol, and includes substantially no residual isocyanate groups set forth in Claim 9; or b) a fluorinated urethane compound consisting essentially of an adduct of an organic polyisocyanate, an amino-functional silane, and a

fluorinated monofunctional alcohol, and contains substantially no residual isocyanate groups set forth in Claim 11.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuo-Liang Peng whose telephone number is (571) 272-1091. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Seidleck, can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR

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only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

klp  
October 15, 2007



Kuo-Liang Peng  
Primary Examiner  
Art Unit 1796